

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1-3. (Canceled)

4. (Currently Amended) The support element of claim 1 38, comprising at least a third connector, distanced from said first connector and from said second connector and directly constrained to the base body, said first, second and third connectors defining pairs of connectors having differentiated interaxes there-between for engaging to corresponding pairs of counter-connectors associated to various blood treatment devices which are mountable on the support element.

5. (Original) The support element of claim 4, wherein the third connector is made in a single piece with the base body.

6-11. (Canceled)

12. (Previously Presented) The support element of claim 4, comprising a fourth connector, distanced from said first, second, and third connectors, said fourth connector being made as a single piece with the base body and defining, with at least one of said first, second, and third connectors, a further pair of connectors which can be engaged to a corresponding pair of counter-connectors associated with a blood treatment device which is mountable on the support element.

13. (Original) The support element of claim 12, wherein the fourth connector comprises:

a central cylindrical positioning body;

a sealing collar, set in a radially external position to the cylindrical positioning body; and

a connecting wall, developing continuously between an external lateral surface of said cylindrical positioning body and an internal lateral surface of said cylindrical positioning body and an internal lateral surface of said sealing collar;

said fourth connector defining a connecting and sealing site for a counter-connector of the blood treatment device.

14. (Currently Amended) The support element of claim 2 38, wherein said first and second connectors and said base body are made of a rigid material in order to offer a mechanical support for the blood treatment device.

15. (Original) The support element of claim 4, wherein said connectors are aligned one to another.

16. (Currently Amended) The support element of claim 4 38, wherein said first and second connectors are arranged on a side of the base body.

17. (Currently Amended) The support element of claim 4 38, wherein said base body comprises a frontal wall and a perimeter wall, which perimeter wall is connected by a side thereof to the frontal wall and defines a works area within which at least a portion of a fluid distribution circuitry configured to be associated to the support element can be housed.

18. (Previously Presented) The support element of claim 17, comprising an auxiliary structure extending laterally and externally with respect to said works area from a base zone of the perimeter wall, said first and second connectors emerging from said auxiliary structure.

19. (Previously Presented) The support element of claim 4, wherein said first and second connectors are not aligned one to another.

20. (Currently Amended) The support element of claim 4 38, wherein the base body comprises a frontal wall, from which said connectors directly project, and a cover associated to a perimeter wall at an opposite edge thereof with respect to the frontal wall.

21-37. (Canceled)

38. (Previously Presented) A support element for an integrated module for blood treatment, comprising:

a base body;

at least first and second connectors associated to the base body and distanced one from another, said at least first and second connectors configured to receive and engage with corresponding counter-connectors of a blood treatment device mounted on the support element;

each of said first and second connectors further comprising a fluid passage having a first end portion configured to be placed in fluid communication with a corresponding channel in a respective counter-connector on the blood treatment device, and a second end portion configured to be placed in fluid communication with a fluid distribution circuitry associable to the base body, a tubular channel defining said first end portion, a sealing collar set in a radially external position with respect to the tubular channel, and a connecting wall developing continuously between an external lateral surface of said tubular channel and an internal lateral surface of said sealing collar to define an annular seating for engagement of each counter-connector; wherein

said tubular channel defining said first end portion being coaxially arranged with respect to the sealing collar, and

said annular seating exhibiting,

a bottom portion delimited by said connecting wall;

a radial dimension which increases progressively in a direction moving away from said bottom portion;

a first zone, adjacent to said bottom portion and having a constant radial dimension;

a second zone, distal to said bottom portion and having a constant radial dimension which is greater than the radial dimension of the first zone; and

a third zone, which is a transition zone between the first zone and the second zone and has a progressively increasing dimension in a distancing direction from said bottom portion.

39. (New) The support element of claim 38, wherein the first and second connectors are directly constrained to the base body.

40. (New) The support element of claim 40, wherein the first and second connectors are made in a single piece with the base body.

41. (New) An integrated module for fluid treatment, comprising:
a support element according to claim 38;
at least one blood treatment device engaged on the support element; and
a fluid distribution circuitry associated to the support element and cooperating with the blood treatment device.

42. (New) The integrated module of claim 41, wherein said blood treatment device is fixed to the base body by at least a pair of said connectors.

43. (New) The integrated module of claim 42, wherein said pair of connectors is interpositioned between the counter-connectors and a portion of the fluid distribution circuitry.

44. (New) The integrated module of claim 41, wherein said blood treatment device comprises:

a containment body;

at least one semi-permeable membrane operating internally of the containment body and defining a first chamber and a second chamber;

a first counter-connector and a second counter-connector associated to the containment body and fixed to respective connectors associated to the base body, at least one of the first counter-connector and the second counter-connector being placed in fluid communication with the second chamber of the blood treatment device and with respective first end portions of said connectors;

at least one inlet port to the first chamber; and

at least one outlet port from the first chamber.

45. (New) The integrated module of claim 44, wherein the fluid distribution circuitry comprises at least one discharge line of a discharge fluid, said at least one discharge line being placed in communication with the second end portion of one of said connectors.

46. (New) The integrated module of claim 45, wherein the fluid distribution circuitry comprises at least one fresh dialysis liquid supply line, said at least one fresh

dialysis liquid supply line being placed in communication with the second end portion of another of the connectors.

47. (New) The integrated module of claim 41, wherein the fluid distribution circuitry comprises at least one blood circuit line having a blood withdrawal branch, said blood withdrawal branch being placed in communication with the inlet port of the first chamber, and at least one blood return branch being placed in communication with the outlet port of the first chamber.

48. (New) The module of claim 45, wherein at least one of said discharge lines is constrained to the support element, defining at least one tract of tubing which is U-shaped in relation to the support element and which, during operation, is configured to cooperate with a peristaltic pump.

49. (New) The integrated module of claim 48, wherein the at least one U-shaped tract of tubing extends internally or externally with respect to the perimeter wall of the support element.